

## CLAIMS

1. A display comprising a plurality of display tiles, each tile comprising a portion to support a display region incorporating an Organic Light  
5 Emitting Device (OLED) material with a plurality of separately addressable pixel elements, wherein the portion is at a tilt angle  $\theta$  to the main plane of the display, wherein:

$$\theta = \tan^{-1} \left[ \frac{\sqrt{l^2 + w^2}}{3t} \right]$$

l being the tile length, w being the tile width and t being the tile thickness.

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2. A display according to Claim 1, wherein the tilt angle  $\theta$  comprises a compound angle  $\theta_c$  having a horizontal tilt angle  $\theta_h$  and a vertical tilt angle  $\theta_v$ .
- 15 3. A display according to Claim 1 wherein the first portion is at a compound tilt angle  $\theta_c$  which is less than  $12^\circ$ .
4. A display according to Claim 1 wherein the first portion is at a compound tilt angle  $\theta_c$  which is in the range  $0.5^\circ$  to  $12^\circ$ .
- 20 5. A display according to Claim 1 wherein the first portion is at a compound tilt angle  $\theta_c$  which is in the range  $0.5^\circ$  to  $6^\circ$ .
6. A display according to Claim 1 wherein the first portion is at a  
25 compound angle  $\theta_c$  in the range  $3.0^\circ$  to  $3.4^\circ$ .
7. A display according to Claim 1 wherein the first portion is at a horizontal tilt angle  $\theta_h$  of less than  $3^\circ$ .

8. A display according to Claim 1 wherein the first portion is at a vertical tilt angle  $\theta_v$  of less than  $3.5^\circ$ .
9. A display according to Claim 1 wherein the first portion and the second portion of a tile are in substantially parallel planes.
10. A display according to Claim 1 wherein the first and second portions of a tile are in a stepped relationship.
11. A display according to Claim 1 wherein the first and second portions of a tile are arranged generally in a U-shape.
12. A display according to Claim 1 wherein the second portion incorporates wiring and/or electrical connections.
13. A display according to Claim 1 wherein the first portion comprises a tile to hold a glass panel of OLED panel.
14. A display according to Claim 1 wherein the first portion comprises a moulded holder of plastic material.
15. A display according to Claim 1 comprising heat seal means to ensure high integrity connection of the display to drive electronics.
16. A display according to Claim 1 wherein the pixel elements have integral means to generate illumination.
17. A display according to Claim 1 comprising means to effect back lighting illumination of a plurality of pixel elements.

18. A display according to Claim 1 comprising a plurality of display regions, each incorporating Organic Light Emitting Device (OLED) material, each region comprising:
- a. a plurality of separately addressable pixel elements; and
  - 5 b. one or more of the display region(s) overlying a portion of one of more adjacent display region(s) wherein the first portion and the second portion of a tile are not in the same plane and the first portion is at a tilt angle  $\theta$  to the main plane of the display for the second portion to underlie part of another tile.
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19. A display according to Claim 1 wherein one or more further display regions overlie part of another display region(s).
20. A display array according to Claim 1 wherein portions of display
- 15 areas which lie underneath other display areas incorporate at least one of wiring or electrical connections.
21. A display according to Claim 1 comprising a plurality of display regions which overlie part of a display region of at least one of a laterally or
- 20 orthogonally adjacent display region.
22. A display according to Claim 1 wherein the display regions form a substantially continuous display surface over the array.
23. A display according to Claim 1 comprising a plurality of OLED pixel
- 25 array tiles.
24. A display according to Claim 1 comprising a plurality of LCD tiles using an OLED backlight.

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25. A display according to Claim 1 comprising a plurality of electronic paper tiles.

26. A display according to Claim 1 wherein a substrate comprises a  
5 passive matrix display device.

27. A display according to Claim 1 wherein the main plane of the display comprises a plane incorporating the nearest point of each OLED display first portion to an observer of the display.

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28. A display comprising a plurality of display tiles, each of said display tiles further including:

a. a support member;

b. a printed circuit board positioned on said support member;

15 c. a panel having an OLED element operatively connected to said circuit board at a tilt angle  $\theta$  to the main plane of the display for the printed circuit board to underlie part of another tile; and

d. wherein said display tiles are positioned in an overlapping array to form a substantially two-dimensional display.

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